



(2) we have reviewed and understand the contents of attached specification, including the claims, as amended by any amendment specifically referred to herein, and we verily believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

(F.N. 45751USA1A )

We hereby appoint Donald M. Sell (Reg. No. 17,324), John C. Barnes (Reg. No. 20,278), Walter N. Kirn (Reg. No. 21,196), Roger R. Tamte (Reg. No. 21,093) Terryl K. Qualey (Reg. No. 25,148, Warren R. Bovee (Reg. No. 26,434) and Karl G. Hanson (Reg. No. 32,900).

and  
XXXX

(Reg. No. 32,900)  
(~~Reg. No.~~                     )

in the attached specification and we hereby subscribe our names to the foregoing specification, and this petition, this 19th day of December, 1980

1.00

Roger J. Sturm

**Post Office Address: P.O. Box 33427**  
**St. Paul, Minnesota 55133-3427**

**Post Office Address: P.O. Box 33427**  
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2.00

Harvey J. Berg

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**St. Paul, Minnesota 55133-3427**

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**St. Paul, Minnesota 55133-3427**

} MN  
SS.

} SS.

Before me personally appeared      Joseph P. Kronzer and James F. Dyrud

to me known to be the persons described in the above application for patent, who signed the foregoing instrument in my presence, and I solemnly swear that the allegations set forth therein as being under oath, on the day and year aforesaid.



**SANDRA R. COOK**  
oath before me to the  
**NOTARY PUBLIC—MINNESOTA**  
**DAKOTA COUNTY**  
My Comm. Expires July 27, 1994

Samuel B. Cook

Whereas we, Joseph P. Kronzer, Roger J. Stumo, James F. Dyrud, and Harvey J. Berg

citizens of the United States of America residing respectively at City of St. Paul, County of Ramsey, State of Minnesota; City of Coon Rapids, County of Anoka, State of Minnesota; Township of Stanton, County of St. Croix, State of Wisconsin; and City of have made an invention in St. Paul, County of Ramsey, State of Minnesota

METHODS OF FORMING FIBROUS FILTRATION FACE MASKS

(F.N. 45751USAL1 )

and have today executed an application for Letters Patent of the United States of America based thereon;

Now, Therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the said Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the day and year set forth below.

Joseph P. Kronzer  
Joseph P. Kronzer

Roger J. Stumo  
Roger J. Stumo

James F. Dyrud  
James F. Dyrud

Harvey J. Berg  
Harvey J. Berg

STATE OF MINNESOTA

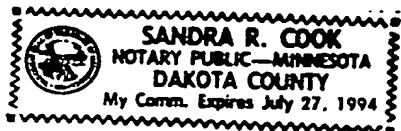
COUNTY OF RAMSEY

} SS.

On this 19<sup>th</sup> day of December, 1990, before me personally appeared the above-named Joseph P. Kronzer and James F. Dyrud

personally known to me, and known by me to be the persons described in and who executed the foregoing instrument, and who acknowledged that they executed the same as their free act and deed, on the day and year aforesaid.

(Seal)

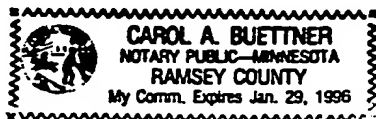


Sandra R. Cook  
Notary Public

3M Office of Patent Counsel  
P.O. Box 33427  
St. Paul, Minnesota 55133-3427  
U.S.A.

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF RAMSEY )

On this 20th day of December, 1990, before me personally appeared Roger J. Stumo and Harvey J. Berg to me known to be the persons described in the above application for patent, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein as being under oath, on the day and year aforesaid.



Carol A. Buettner  
Notary Public